Application No. 10/720928   Docket No.: 013436.0287PTUS
Amendment dated June 15, 2006   (Bushnell 25-26)
After Final Office Action of March 15, 2006

AMENDMENTS TO THE CLAIMS

1. (Currently amended)   An interoperability system connected to an enterprise
communication network and a public communication network for providing communication
services to users' wireless station sets which are located in the coverage area of a one of said
enterprise communication network and said public communication network, comprising:

presence server means for storing user presence data for a user wireless station set,
comprising:

location means for identifying a last determined location of said user wireless station set
in said enterprise communication network and said public communication network;

device status means for identifying a present busy/idle status of said user wireless station
set; [[and]]

information sharing means for exchanging said user presence data with said enterprise
communication network and said public communication network to extend the wireless services
provided in the enterprise communication network to the public communication network based on
said presence data;

call coverage means, responsive to receipt of an incoming call directed to a user's
wireless station set, for transmitting a user presence inquiry to said presence server means; and

wherein said presence server means is responsive to receipt of said user presence inquiry
for returning user location and status data to said call coverage means to enable an attendant at said
call coverage means to determine the present location of said user and the busy/idle status of said
user wireless station set.

2. (Original)   The interoperability system of claim 1 wherein said enterprise
communication network and said public communication network each comprise at least one cell
site, said location means comprises:

location data update means, responsive to user location data received from a one of said
enterprise communication network and said public communication network, for recording present
location data identifying a one of said at least one cell site which presently serves said user wireless
station set.

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3. (Previously presented) The interoperability system of claim 1 wherein said presence server means further comprises:

availability means for storing data indicative of availability of said user wireless station set for communication.

4. (Previously presented) The interoperability system of claim 3 wherein said information sharing means comprises:

status update means, responsive to receipt of an inquiry from said enterprise communication network for providing said user location data, busy/idle status and availability data to determine whether said public communication network is capable of extending a communication connection from said enterprise communication network to said user wireless station set.

5. (Currently amended) A method of providing service interoperability in both an enterprise communication network and a public communication network for providing communication services to users' wireless station sets which are located in the coverage area of a one of said enterprise communication network and said public communication network, comprising:

storing user presence data for a user wireless station set in a presence server, comprising:

identifying a last determined location of said user wireless station set in said enterprise communication network and said public communication network;

identifying a present busy/idle status of said user wireless station set; and

exchanging said user presence data with said enterprise communication network and said public communication network to extend the wireless services provided in the enterprise communication network to the public communication network based on said presence data;

transmitting, from a call coverage apparatus in response to receipt of an incoming call directed to a user's wireless station set, a user presence inquiry to said presence server; and

wherein said presence server is responsive to receipt of said user presence inquiry for returning user location and status data to said call coverage apparatus to enable an attendant at said call coverage apparatus to determine the present location of said user and the busy/idle status of said user wireless station set.

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6. (Original) The method of providing service interoperability of claim 5 wherein said enterprise communication network and said public communication network each comprise at least one cell site, said step of identifying comprises:

recording, in response to user location data received from a one of said enterprise communication network and said public communication network, present location data identifying a one of said at least one cell site which presently serves said user wireless station set.

7. (Previously presented) The method of providing service interoperability of claim 5 wherein said step of storing further comprises:

storing data indicative of availability of said user wireless station set for communication.

8. (Previously presented) The method of providing service interoperability of claim 7 wherein said step of exchanging comprises:

recording, in response to receipt of an inquiry from said enterprise communication network for providing said user location data, busy/idle status and availability data to determine whether said public communication network is capable of extending a communication connection from said enterprise communication network to said user wireless station set.